

I CLAIM:

1 1. A sleeve heater comprising:
2 an electrical and generally cylindrical heater coil
3 centered on an axis and shaped to fit over a part to be heated;
4 a radially compressible and generally cylindrical inner
5 sleeve snugly coaxially surrounding the heater coil; and
6 a radially generally inextensible and generally
7 cylindrical outer sleeve fitted coaxially over the inner sleeve
8 and having an inner surface bearing tightly radially inward on
9 the inner sleeve and radially compressing the inner sleeve and
10 the coil inward.

1 2. The electrical sleeve heater defined in claim 1
2 wherein the inner sleeve is formed with at least one axially open
3 and extending slot.

1 3. The electrical sleeve heater defined in claim 1
2 wherein the inner sleeve is formed with two axially extending and
3 axially oppositely open slots.

1 4. The electrical sleeve heater defined in claim 3
2 wherein the slots are angularly equispaced.

1 5. The electrical sleeve heater defined in claim 1
2 wherein the inner sleeve has an axially outwardly flared outer
3 surface engageable with an end of the outer sleeve.

1 6. The electrical sleeve heater defined in claim 5
2 wherein the outer surface is about 10 mm long.

1 7. The electrical sleeve heater defined in claim 1
2 wherein the outer sleeve has an axially tapered inner surface
3 axially engageable with an end of the inner sleeve.

1 8. The electrical sleeve heater defined in claim 7
2 wherein the tapered inner surface is about 10 mm long.

1 9. The electrical sleeve heater defined in claim 1
2 wherein the inner sleeve has an end formed with a radially
3 inwardly projecting rim.

1 10. The electrical sleeve heater defined in claim 1
2 wherein the outer sleeve has a radially inwardly projecting rim.

1 11. The electrical sleeve heater defined in claim 1
2 wherein the inner sleeve has an axially outwardly projecting tab
3 and the outer sleeve is formed with a cutout in which the tab
4 fits when the sleeves are fitted together.

1 12. The electrical sleeve heater defined in claim 1
2 wherein the inner sleeve is formed with a radially throughgoing
3 holes, the coil having ends extending through the hole.

1 13. The electrical sleeve heater defined in claim 1
2 wherein both sleeves are of metal.

1 14. The electrical sleeve heater defined in claim 1
2 wherein the inner sleeve has an outside diameter and the outer
3 sleeve has an inside diameter that is smaller than the inner-
4 sleeve outside diameter, whereby when the outer sleeve is fitted
5 over the inner sleeve it radially compresses the inner sleeve.